

Amendments to the Claims:

Kindly amend claim 1 as follows.

The present listing of claims below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (Currently amended) An active transponder including:
an electronic unit arranged so as to control several applications or operating modes;
an antenna for receiving incoming signals carrying data; and
an electric power supply connected to said electronic unit, wherein said electronic unit includes:
a data processing unit;
means for amplifying incoming signals received by said antenna, and
means for validating the incoming signals as a function of mean induced voltages in said antenna, wherein the validating means supplies to said data processing unit a validating signal for data contained in a first incoming signal when a mean voltage on an input side of the data processing unit is greater than or equal to a determined reference voltage, wherein the data processing unit includes means for varying the maximum communication distance to a reader or transceiver as a function of the application selected from said several applications or the operating mode selected from said operating modes, wherein the means for varying the maximum communication distance is arranged to vary one or both of amplification gain of said amplification means and said reference voltage of said validating means.

2. (Previously presented) A transponder according to claim 1, wherein said validating means includes a comparator having a first input and a second input, wherein the first input is connected to means supplying the mean induced voltage of the incoming signal, before or after said means for amplifying incoming signals, and the second input is connected to means supplying said reference voltage.

3. (Previously presented) A transponder according to claim 2, wherein said reference voltage is variable and defined by a security signal so that the value of said reference voltage is relatively high when the selected application or operating mode is provided with a high level of security.

4. (Previously presented) A transponder according to claim 2, wherein said reference voltage is fixed, and said amplification gain is variable and defined by a security signal so that the value of said amplification gain is relatively low when the selected application or operating mode is provided with a high level of security.

5. (Previously presented) A transponder according to claim 3, wherein said means for varying the maximum communication distance includes a memory in which a security code is stored for each application and for each operating mode able to be selected in the transponder, wherein these security codes are used to generate said security signal.

6. (Previously presented) A transponder according to claim 4, wherein said means for varying the maximum communication distance includes a memory in which a security code is stored for each application and for each operating mode able to be selected in the transponder, wherein these security codes are used to generate said security signal.

7. (Previously presented) A transponder according to claim 1, wherein the electric power supply is a battery.